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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/572,567 Confirmation No. 8024
Applicant(s) : Nestor RODRIGUEZ-AMAYA et al.
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Docket No. : R.306744
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: November 14, 2007

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed before the mailing date of the First Office Action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

JP 7-253170

This invention shows a valve seal 1 and a valve body 2 of a flow rate control valve are special shapes, and an interval G1 between a contact end 3 and a contact surface 6 is setless than 0.5mm, for example less than 0.1mm. The flow velocity of a flow tries to considerably increase because the interval. G1 is narrow, however, the increment of the flow velocity is prevented because the flow flowed from the interval G1 is hit on the inner circumferential taper surface 7 of the valve body 2 so as to be bent in a lower direction, and hit on the first

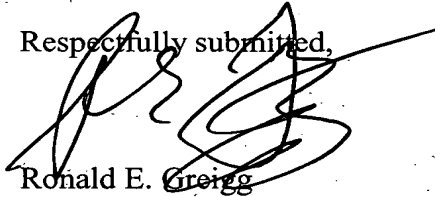
flat surface 5 of the valve seat 1 so as to be bent again. Therefore, the flow heading from the inner side A of the valve seat 1 to the outer side B thereof has no experience of sudden pressure lowering so as to prevent cavitation and become suitable in use under a slightly opening condition. The purpose of this invention is to eliminate sudden pressure fluctuation of liquid so as to prevent a phenomenon such as occurrence of cavitation, etc., by forming a flow rate control valve in such a manner that all liquid flow flowing out from a specific interval between a contact end and a contact surface is hit on an inner circumferential taper surface so as to be bent so that the speed of the flow may be suppressed.

JP 61-072867

No abstract available for this patent. It is cited to show state of the art.

Examination of this application is respectfully requested.

Respectfully submitted,



Ronald E. Greigg
Registration No. 31,517
Attorney for Applicant(s)

GREIGG & GREIGG, P.L.L.C.
1423 Powhatan Street
Suite One
Alexandria, VA 22314

Telephone: 703-838-5500
Facsimile: 703-838-5554

Customer No. 02119

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Enclosures
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